



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,580	07/25/2003	Sch Joon Dokko	SI-0039	9531
34610 7590 07/18/2007 KED & ASSOCIATES, LLP P.O. Box 221200 Chantilly, VA 20153-1200			EXAMINER BALAOING, ARIEL A	
			ART UNIT 2617	PAPER NUMBER
			MAIL DATE 07/18/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/626,580

Applicant(s)

DOKKO, SEH JOON

Examiner

Ariel Balaoing

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 27-29,31-34 and 36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 27-29,31-34 and 36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 July 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 103

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
3. Claims 27-29, 31-34, 36 are rejected under 35 U.S.C. 103(a) as being unpatentable over KIM (US 2004/0125928) A1 in view of TAMAGAWA et al (US 5,657,382) and ARDON (US 5,371,781).

Regarding claim 27, KIM discloses a method for processing calls in a mobile communication system (abstract; figures 8A, 8B), comprising: directing a call to a first terminal (col. 5, line 43-65); ringing the first terminal (col. 5, line 66-col. 6, line 12); receiving a request from a second terminal to pick up the call directed to the first terminal in response to the ringing (col. 5, line 66-col. 6, line 12); transferring the call to the second mobile terminal in response to the request (col. 6, line 13-41); and transmitting information indicating a number of the second terminal that received the transferred call (col. 5, line 35-42). However, KIM does not expressly disclose transmitting information to the first mobile terminal. In the same field of the endeavor, TAMAGAWA discloses transmitting information to a first mobile terminal indicating a number of a second mobile terminal that received a transferred call (abstract; col. 2, line 37-col. 3, line 12). Therefore it would have been obvious to a person of ordinary skill in

Art Unit: 2617

the art at the time the invention was made to modify KIM to include transmitting information to a first destination terminal, as taught by TAMAGAWA, since TAMAGAWA states that such a modification would allow a user to determine when an incoming call has occurred when a call transfer service is active. However, the combination of KIM and TAMAGAWA does not disclose wherein the terminals are mobile terminals. In the same field of the endeavor, ARDON discloses a method for processing calls in a mobile communication system (abstract), comprising: directing a call to a first mobile terminal (col. 1, line 61-col. 2, line 22; call notification); ringing the first mobile terminal (col. 1, line 61-col. 2, line 22; col. 2, line 63-col. 3, line 23); receiving a request from a second mobile terminal to pick up the call directed to the first mobile terminal (col. 5, line 29-col. 5, line 57; call pickup); and transferring the call to the second mobile terminal in response to the request (col. 5, line 29-col. 5, line 57). Therefore it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the combination of KIM and TAMAGAWA to include mobile terminals, as taught by ARDON, since providing services to mobile terminals that are normally available to a landline terminal is well known and conventional in the art.

Regarding claim 28, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. The combination of KIM, TAMAGAWA, and ARDON further discloses wherein the first and second mobile terminals are located in a coverage area of a same base station or sector (ARDON – col. 5, line 58-col. 6, line 5).

Regarding claim 29, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. The combination of KIM, TAMAGAWA, and

Art Unit: 2617

ARDON further discloses wherein the first and second mobile terminals are located in coverage areas of different base stations or sectors (ARDON - **100, 115, 160, 155**, Figure 1).

Regarding claim 31, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. The combination of KIM, TAMAGAWA, and ARDON further discloses storing information indicative of a group of mobile phones eligible to pick-up calls for the first mobile phone (KIM – abstract, **40**; ARDON – col. 3, line 4-15; col. 4, line 6-14; col. 6, line 6-16); and determining whether the second mobile phone is in said group, wherein said transferring is performed only if the second mobile phone is determined to be within said group (KIM – abstract, Figure 8A, 8B, col. 7, line 14-20; ARDON – col. 4, line 6-14; col. 6, line 6-16).

Regarding claim 32, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. TAMAGAWA discloses a system for processing calls in a mobile communication system (abstract), comprising: a first terminal, the first terminal ringing in response to a call directed to the first terminal (col. 5, line 43-col. 6, line 12); a second terminal, the second terminal generating a request to pick up the call in response to the ringing (col. 5, line 66-col. 6, line 41); a processor which receives the request to pick up the call directed to the first terminal and transfers the call to the second terminal in response to the request (col. 5, line 66-col. 6, line 41), wherein the processor transmits information indicating a number of the second mobile terminal that received the transferred call (col. 5, line 35-42). However, KIM does not expressly disclose transmitting information to the first mobile terminal. In the same field of the

Art Unit: 2617

endeavor, TAMAGAWA discloses transmitting information to a first mobile terminal indicating a number of a second mobile terminal that received a transferred call (abstract; col. 2, line 37-col. 3, line 12). Therefore it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify KIM to include transmitting information to a first destination terminal, as taught by TAMAGAWA, since TAMAGAWA states that such a modification would allow a user to determine when an incoming call has occurred when a call transfer service is active. However, the combination of KIM and TAMAGAWA does not disclose wherein the terminals are mobile terminals. In the same field of the endeavor, ARDON discloses a system for processing calls in a mobile communication system (abstract), comprising: a first terminal, the first mobile terminal ringing in response to a call directed to the first mobile terminal (col. 1, line 61-col. 2, line 22; col. 2, line 63-col. 3, line 23); a second mobile terminal, the second mobile terminal generating a request to pick up the call (col. 5, line 29-col. 5, line 57; call pickup); and a processor which receives the request to pick up the call directed to the first mobile terminal and transfers the call to the second mobile terminal in response to the request (col. 5, line 29-col. 5, line 57). Therefore it would have been obvious to a person of ordinary skill in the art at the time the invention was made to modify the combination of KIM and TAMAGAWA to include mobile terminals, as taught by ARDON, since providing services to mobile terminals that are normally available to a landline terminal is well known and conventional in the art.

Regarding claim 28, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. The combination of KIM, TAMAGAWA, and

Art Unit: 2617

ARDON further discloses wherein the first and second mobile terminals are located in a coverage area of a same base station or sector (ARDON – col. 5, line 58-col. 6, line 5).

Regarding claim 29, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. The combination of KIM, TAMAGAWA, and ARDON further discloses wherein the first and second mobile terminals are located in coverage areas of different base stations or sectors (ARDON - **100, 115, 160, 155**, Figure 1).

Regarding claim 36, see the rejections of the parent claim concerning the subject matter this claim is dependent upon. The combination of KIM, TAMAGAWA, and ARDON further discloses a storage unit which stores information indicative a group of mobile phones eligible to pick-up calls for the first mobile phone, wherein the processor determines whether the second mobile phone is in said group and then transfers the call to the second mobile only if the second mobile phone is determined to be within said group (KIM – abstract, Figure 8A, 8B, col. 7, line 14-20; ARDON - col. 3, line 4-15; col. 4, line 6-14; col. 6, line 6-16).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

OKSANEN et al (US 5,854,977) – Call transfer and simplex call capability

AMIN et al (US 7,171,221 B1) – Automatically transferring a call from a first telephone to a destination telephone in close proximity


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ariel Balaoing whose telephone number is (571) 272-7317. The examiner can normally be reached on Monday-Friday from 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on (571) 272-7872. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Ariel Balaoing – Art Unit 2617

AB



WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600